

## SEQUENCE LISTING

<110> Amirul, Islam  
Hazra, Papia

<120> MET/FRET BASED METHOD OF TARGET NUCLEIC ACID DETECTION WHEREBY THE  
DONOR/ACCEPTOR MOIETIES ARE ON COMPLEMENTARY STRANDS

<130> 3875.033

<140> US 10/516,361

<141> 2004-11-30

<150> PCT/IN03/00204

<151> 2003-05-30

<150> 487/MUM/2002 (IN)

<151> 2002-05-31

<160> 31

<170> PatentIn version 3.3

<210> 1

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Forward PCR primer for amplification of a target sequence chosen  
arbitrarily and made from Sequence ID Nos. 3 and 4.

<400> 1

acttaaggta gagcgtttgc

20

<210> 2

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Forward PCR primer for amplification of a target sequence chosen  
arbitrarily and made from Sequence ID Nos. 3 and 4.

<400> 2

tggtagttagt tgatttagtc

20

<210> 3

<211> 40

<212> DNA

<213> Artificial

<220>  
<223> Arbitrarily chosen sequences. Bases 27 to 40 are complementary to bases 31 to 44 of Sequence ID No. 4. DNA polymerase extension of annealed Sequence ID Nos. 3 and 4 results in the target sequence.

<400> 3  
tacacttaag ttagagcggtt tgcgcccact acgacggttg 40

<210> 4  
<211> 44  
<212> DNA  
<213> Artificial

<220>  
<223> Arbitrarily chosen sequences. Bases 27 to 40 are complementary to bases 31 to 44 of Sequence ID No. 4. DNA polymerase extension of annealed Sequence ID Nos. 3 and 4 results in the target sequence.

<400> 4  
gtttttgtgg tagtatgtga tttagtcatt caaccgtcgt agtg 44

<210> 5  
<211> 20  
<212> DNA  
<213> Artificial

<220>  
<223> Forward PCR primer for amplification of a target sequence chosen arbitrarily and made from Sequence ID Nos. 3 and 4. Base t at base position 18 from 5' end has fluorophore FAM.

<400> 5  
acttaagtta gagcggttgc 20

<210> 6  
<211> 19  
<212> DNA  
<213> Leishmania donovani

<400> 6  
acggagcgcc tgaagggtgc 19

<210> 7  
<211> 27  
<212> DNA  
<213> Leishmania donovani

<400> 7  
aggtagcatcc acttgcctcg cacctgc 27

<210> 8

<211> 21  
<212> DNA  
<213> Leishmania donovani

<400> 8  
aggcagatgg cgcctgcctc g

21

<210> 9  
<211> 25  
<212> DNA  
<213> Leishmania donovani

<400> 9  
atgcggcgct gtagtacccc gcata

25

<210> 10  
<211> 20  
<212> DNA  
<213> Leishmania donovani

<400> 10  
ggggtaactac agcgccctga

20

<210> 11  
<211> 28  
<212> DNA  
<213> Leishmania donovani

<400> 11  
atggccatgt cctggaagat ggccatgg

28

<210> 12  
<211> 29  
<212> DNA  
<213> Leishmania donovani

<400> 12  
atggccatcg tcctggaaga tggccatgg

29

<210> 13  
<211> 20  
<212> DNA  
<213> Leishmania donovani

<400> 13  
gtcctggaag atggccatgg

20

<210> 14  
<211> 20  
<212> DNA

<213> Leishmania donovani

<400> 14

ctgcacacgg agcggctgaa

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<210> 15

<211> 20

<212> DNA

<213> Leishmania donovani

<400> 15

ggacgagctc atggcgccctg

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<210> 16

<211> 20

<212> DNA

<213> Leishmania donovani

<400> 16

gtcctgttca ctttccactg

20

<210> 17

<211> 19

<212> DNA

<213> Leishmania donovani

<400> 17

gctcatggcg cctgcctcg

19

<210> 18

<211> 19

<212> DNA

<213> Leishmania donovani

<400> 18

gcgtgttagta ccccgcatc

19

<210> 19

<211> 20

<212> DNA

<213> Leishmania donovani

<400> 19

gggttactac agcgccctga

20

<210> 20

<211> 20

<212> DNA

<213> Leishmania donovani

<400> 20  
gtcctggaag atggccatgg 20

<210> 21  
<211> 18  
<212> DNA  
<213> Leishmania donovani

<400> 21  
ggggtaactac agcgccct 18

<210> 22  
<211> 29  
<212> DNA  
<213> Leishmania donovani

<400> 22  
atggccatcg tcctggaaga tggccatgg 29

<210> 23  
<211> 29  
<212> DNA  
<213> Leishmania donovani

<400> 23  
atggccatcg tcctggaaga tggccatgg 29

<210> 24  
<211> 19  
<212> DNA  
<213> Leishmania donovani

<400> 24  
gctcatggcg cctgcctcg 19

<210> 25  
<211> 20  
<212> DNA  
<213> Leishmania donovani

<400> 25  
gtcctggaag atggccatgg 20

<210> 26  
<211> 20  
<212> DNA  
<213> Leishmania donovani

<400> 26  
gtcctggaag atggccatgg 20

<210> 27  
<211> 20  
<212> DNA  
<213> Escherichia coli

<400> 27  
tgaattcaat ctcgcaaacg

20

<210> 28  
<211> 26  
<212> DNA  
<213> Escherichia coli

<400> 28  
atcggatccc aaatgcctga gcccag

26

<210> 29  
<211> 20  
<212> DNA  
<213> Escherichia coli

<400> 29  
ggcaatgaaa agccacttct

20

<210> 30  
<211> 20  
<212> DNA  
<213> Escherichia coli

<400> 30  
ttaaccggcg attgagttacc

20

<210> 31  
<211> 20  
<212> DNA  
<213> Escherichia coli

<400> 31  
agccttatga cgtgcagctt

20